New Mexico- Portales Field Office
FY 2004 Ranking Criteria Worksheet - Ground & Surface Water

Applicant: _____ Date: _____ Total Points: _____

Farm No.: _____ Tract No.: _____ Field No. _____

Tribal Land ____ Non-Tribal Land ____

1. Water Quantity - 100 Potential Points (25% of Total)

Irrigation Efficiency - Use **FIRS** to Evaluate. Benchmark & After points equal actual % efficiency. Ranking Score equals After minus Benchmark.

Benchmark			After			Total After Points	Total Benchmark Points	Ranking Score Points
% Efficiency	% of Area in Contract	Weighted Score	% Efficiency	% of Area in Contract	Weighted Score			
_____ x	_____ =	_____	_____ x	_____ =	_____			
_____ x	_____ =	_____	_____ x	_____ =	_____	_____ -	_____ =	_____
_____ x	_____ =	_____	_____ x	_____ =	_____			
Benchmark Total:		_____	After Total:		_____	**1. Water Quantity**		

2. Water Quality - 85 Potential Points (21% of Total)

A. Surface Water Pollutants - 40 Points Maximum

There is a probability that runoff water from irrigated fields contains sediment, salt, pesticides, and/or nutrients (or other associated chemicals). Treatment is needed to prevent these pollutants from entering live waters, or re-entering a shared irrigation system. Points will be awarded based on distance from the end of field to the nearest live waters or re-entry point into a shared irrigation system. If there is no run-off, after points will be 0.

Distance of Surface runoff to Live Water	Points		After
<100 Ft.	40		
101 - 500 Ft.	30		
501 - 1,320 Ft.	20		
1,320 - 2,640 Ft.	10		
>2,640 Ft.	0		
A. Surface Water	Total		

B. Ground Water Pollutants - 45 Points Maximum

There is a probability that irrigation water containing salt, pesticides, and/or nutrients (or other associated chemicals) is leaching into the ground water. Treatment is needed to prevent these pollutants from contaminating ground water, through leaching and direct return flow into wells. Points to be awarded based on depth to the water table, or elimination of any direct discharge to ground water (regardless of depth to water table).

Depth to Water Table	Points		After
1 - 10 Ft **or** elimination of any direct discharge into ground water.	45		
10 - 50 Ft.	35		
50 -100 Ft.	25		
>100 Ft.	0		
B. Ground Water	Total		
2. Water Quality	**Total**		

3. Selected Conservation Practice(s) - 170 Potential Points (43% of Total)

	Potential Points		Points
Soil Erosion: Wind			
Range Planting (550)	5		
Field Borders (Buffer Strip) (386)	5		
Water Quality: Excessive Nutrients and Organics in Groundwater			
Chemigation Valve (442)	15		
Water Quantity: Ineffiecient Use on Irrigated Lands			
Irrigation Water Conveyance, Pipeline (430-EE)	15		
Flowmeter (587)	15		
Computer Panels (442)	15		
Drip Tape/LEPA (442)	40		
LESA (442)	20		
Irrigation Water Management, Convert to permanent vegetation 2 gpm/ac.	170**		
Irrigation Water Management, Convert to permanent vegetation 3 gpm/ac.	160**		
Irrigation Water Management, Net Water Savings in Acre Inches Per Acre 4gpm/ac.	45		
Air Quality: Undesirable Air Movement			
Animal Wildlife: Inadequate Cover/Shelter			
Range Planting (550),	10		
multiple species with shrubs			
3. Selected Conservation Practices	**Total**		

4. Other Considerations - 43 Potential Points (11% of Total)

	Potential Points		After Points
A. At risk species are in the area and the contract will enhance habitat for the species. *Lesser Prairie Chicken*	20		
B. Treatment of this land could have a beneficial impact on a 303d listed stream segment.	10		
C. Treatment of this land could enhance the benefits of an active sec. 319 proj.	8		
D. This land is within a proposed sec. 319 project.	5		
**Funding will be determined by water saved - total GPM of wells			
(Well yield will be determined with NRCS meter - GPM/acre)			
4. Other Considerations	**Total**		

Producer _____ Date _____

Designated Conservationist _____ Date _____